

What is Claimed is;

1. A sheet shutter device in which fitting pieces are provided at both side portions of a sheet-shaped shutter curtain so as to be spaced from one another at a predetermined pitch in a vertical direction and made to run while engagedly fitted in rail grooves of guide rails provided at both side portions of an opening portion, thereby opening/closing the opening portion, the rail grooves designed so that the fitting pieces come off from the rail grooves under an excessive load imposed on the shutter curtain, wherein a posture holding bar is provided to at least the lower end portion of the shutter curtain so as to be spaced from the fitting pieces in the curtain width direction, and at the upper side of each of the rail grooves are provided a first guide body for guiding the posture holding bar to an opposing part to each of the rail grooves and a second guide body for guiding the fitting piece at the lower end portion of the shutter curtain to an opposing part to each of the rail grooves in conformity with a timing at which the posture holding bar is guided to the opposing part to the rail groove by the first guide body are provided at the upper side of each of the rail grooves.

2. The sheet shutter device according to claim 1, wherein the second guide body is formed to be longer in the vertical direction than the pitch of the fitting pieces.

3. The sheet shutter device according to claim 1 or 2, wherein a third guide body for guiding the fitting pieces to the opposing part to each of the rail grooves is provided between the upper end portion of the rail groove and the first guide body.

4. The sheet shutter device according to claim 3, wherein

the third guide body is provided with a freely deformable piece which is deformable perpendicularly to the curtain face.

5. The sheet shutter device according to any one of claims 1 to 4, wherein the first guide body has a pair of guide faces for guiding the posture holding bar to the opposing part to the rail groove, and guideways which are inclined-shaped and guide the posture holding bar to the guide face are formed on the guide face at the upper and lower sides.

6. The sheet shutter device according to claim 5, wherein the freely deformable piece of the third guide body is formed so as to be located in an opposing gap between the guide surfaces at the lower side of the first guide body.

7. The sheet shutter device according to any one of claims 1 to 6, wherein the first and second guide bodies are integrally formed with each other.

8. The sheet shutter device according to claim 7, wherein a step face for regulating the position in the right-and-left direction of the posture holding bar is formed between the guide face of the first guide body and a fitting piece guide portion which is formed in the second guide body and guides the fitting pieces to the opposing sites to the rail groove.

9. The sheet shutter device according to claim 8, wherein a curtain guide face for guiding both right and left side edge portions of the shutter curtain is formed in the fitting piece guide portion of the second guide body.

10. The sheet shutter device according to any one of claims 1 to 9, wherein the guide rail comprises a support rail fixed

to each of both sides of the opening portion, a rail body which is engaged with the fitting pieces and supported so as to be freely displaced to the inside of the opening portion with respect to the support rail, and urging means for urging outwardly the rail body displaced to the inside of the opening portion in connection with a load imposed on the shutter curtain, the urging means comprises an elongated elastic member disposed along the outer surface of the support rail, an elongated receiving plate member applied to the outer surface of the elastic member and a joint member provided between the rail body and the receiving plate member so as not to come off, and an elastic deforming force of the elastic member acts on the rail body via the elongated plate member.